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Method for solving transient solution and dynamics in film blowing ...

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The Society of Rheology: 74th Annual Meeting (Oct 2002) Paper FM10

Nonlinear dynamics of **film blowing** process has been studied focusing on ... scheme which incorporates an **orthogonal collocation** with finite elements. ...
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DM Shin, JS Lee, HW Jung... - Journal of Rheology, 2007 - link.aip.org

... 2002). Cain J.J., and MMDenn, "Multiplicities and instabilities in **film blowing**," Polym.

Eng. Sci. 28, 1527-1540 (1988). Carey G.F., and BAFinlayson, "**Orthogonal collocation**

on finite elements," Chem. Eng. Sci. 30, 587-596 (1975). ...

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Existence of optimal cooling conditions in the film blowing process

JS Lee, DM Shin, HS Song, HW Jung... - Journal of non-newtonian ..., 2006 - Elsevier

... Lately the transient solutions of the **film blowing** dynamics have been obtained by Hyun et al.

[13] for the first time in 30 years, employing new mathematical and numerical schemes like an

orthogonal collocation on finite element and a coordinate transformation for solving the ...

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Fiber spinning and film blowing instabilities

HW Jung... - Polymer processing instabilities: control ..., 2005 - books.google.com

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viscosity, respectively. ... (01), or **orthogonal collocation** methods (02). ...

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a fixed-end-point problem; and finally, by introducing New- ton's method and OCFE (**Orthogonal**

Collocation on Finite Elements), the transient solution for the **film blowing** pro- cess ...

Method for solving transient solution and dynamics in film blowing process

J Hyun, H Jung, H Song, H Kim... - US Patent App. ..., 2005 - freepatentsonline.com

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a fixed-end-point problem; and finally, by introducing Newton's method and OCFE (**Orthogonal**

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Intriguing Nonlinear Dynamic and Stability Characteristics of Film Blowing Process

JC Hyun, HW Jung... - The 2008 Annual Meeting, 2008 - aiche.confex.com

... The successful simulation of the transient behavior of **film** in **film blowing** process has proved

rather elusive, despite its modeling standards ... transformation converting a free-end-point problem

to a more amenable fixed-end-point one and an **orthogonal collocation** on finite ...

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A METHOD FOR SOLVING TRANSIENT SOLUTION AND DYNAMICS IN FILM BLOWING PROCESS

JC HYUN, HW JUNG, HS SONG, HC KIM... - WO Patent WO/2006/ ... 2006 - wipo.int
... concerns the dynamics and yielding of transient solutions for the **film-blowing** process. ... takes into consideration the viscoelasticity and cooling characteristics of the **film**, a coordinate ... Then finally, by introducing Newton's method along with OCFE (**Orthogonal Collocation** on Finite ...

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Nonlinear dynamic behavior of nonisothermal **film blowing** process under the condition of constant bubble pressure

J Sung Lee, HW Jung... - AIChE Journal - Wiley Online Library
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Hyun, J.C., H. W. Jung, H.-S. Song, H. Kim, J.S. Lee, D. M. Shin, "A method for solving **transient solution** and dynamics in **film blowing process**," PCT, ...
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(WO/2006/088267) A METHOD FOR SOLVING TRANSIENT SOLUTION AND ...

Aug 24, 2006 ... Abstract: The present invention concerns the dynamics and yielding of **transient solutions** for the **film-blowing process**. ...
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